

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	573	320/119	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:20
L2	6	1 and (charger near3 (charging and discharging))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:21
L3	2	1 and (charger with (((series or serial\$) near2 discharg\$3) and ((parallel\$3 or individual) near2 charg\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:23
L4	2	1 and (charger with (((series or serial\$) near2 discharg\$3) and ((parallel\$3 or individual) near2 (charg\$3 or recharg\$3))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:30

L5	2628	320/107,112,113,116,118,119.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:31
L6	4	5 and (charger with (((series or serial\$) near2 discharg\$3) and ((parallel\$3 or individual) near2 (charg\$3 or recharg\$3))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:31
L7	13	"320"/\$.ccls. and (charger with (((series or serial\$) near2 discharg\$3) and ((parallel\$3 or individual) near2 (charg\$3 or recharg \$3))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:31
L9	9	7 NOT 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:32
L10	2252	5 and (battery and charg\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:35

L11	1443	10 and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:36
L12	736	11 and ((cells or battery) near2 (series or serial\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:36
L13	736	11 and ((cells or battery) near2 (series or serial\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 21:37
L14	5	("5659237"   "5710504"   "5932932"   "6057666"   "6404165").PN. OR ("6642692").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/25 22:08
S1	15563	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 12:48
S2	200	S1 and ((battery or cell) with (balanc\$3 or equaliz\$3)).AB.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/13 20:47

S3	165	S2 and (battery with charging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/13 20:47
S4	2	S3 and (switch (between or individual) cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 20:50
S5	16	S3 and (switch series cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/05/13 20:56
S6	12	S3 and (individual\$2 charg\$3 cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 21:02
S7	4	S5 and (individual\$2 charg\$3 cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 20:57

S8	10	S3 and (series connected (switch or transistor or MOSFET or FET))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 21:03
S9	10	S3 and (series connected (switch or transistor or MOSFET or FET))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 21:06
S10	439	320/119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/13 21:06
S11	2	S10 and (battery cell switch charger).AB.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/13 21:14
S12	44	S10 and (battery cell switch charger)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/05/13 21:14

S13	13	S10 and (battery cell switch series charger)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/05/13 21:14
S14	16057	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/17 17:24
S18	5661	S14 and ((battery same (internal or integrated or integral) switch\$3 or FET or MOSFET or transistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/11/17 17:26
S19	4933	S14 and ((battery same (internal or integrated or integral) switch\$3 or FET or MOSFET or transistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/11/17 17:26
S20	155	S14 and ((battery same (internal or integrated or integral) (switch\$3 or FET or MOSFET or transistor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/11/17 17:26

S21	16	S14 and ((battery (internal or integrated or integral) (switch\$3 or FET or MOSFET or transistor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/11/17 17:33
S22	795	S14 and ((battery (internal or integrated or integral) (switch\$3 or FET or MOSFET or transistor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/17 17:33
S23	558	S14 and ((battery (internal) (switch\$3 or FET or MOSFET or transistor)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/17 17:34
S24	3337	320/107-115.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/17 17:34
S25	90	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/17 17:34

S26	3	"2002060554"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:11
S27	14	("5,583,871" "5,818,202" "6,104,165" "7327323" "2732204" "2743155"),pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:31
S28	16057	"320"/\$.ccs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:32
S29	146	S28 and ((battery adj pack) with (balanc\$3 or equaliz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:32
S30	142	S29 and (battery with charg\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:32



S31	119	S30 and (switch\$3 or FET or MOSFET or transist\$r)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:33
S32	103	S30 and (battery with (switch\$3 or FET or MOSFET or transist\$r))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 11:33
S33	16057	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/19 12:49
S34	26	S33 and (battery switch\$3 select\$5 (individual or single) cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/11/19 12:50
S35	9	("5404106"   "5565759"   "5705929"   "6087808"   "6167309"   "6646561"   "6850038"   "6876175").PN. OR ("6956355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 13:10
S36	23	("4238721"   "4297629"   "4616170"   "5387857"   "5488282"   "5504415"   "5557189"   "5656915").PN. OR ("5811959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 13:23

S37	3474	320/107-115.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/08 12:40
S38	42	S37 and ((series with discharg\$3) same ((each or individual or one) with charg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/08 12:41
S39	478	320/119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/08 12:58
S40	5	("20030006737"   "5493197"   "6172479"   "6762588"   "6841971").PN. OR ("7298114").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/08 13:14
S41	2	"US 20040189250"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/09 11:08
S42	16534	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:29

S43	534	S42 and ((series with (switch\$3 or FET or MOSFET or BJT) with cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:29
S44	504	S43 and ((battery or cell) with charg\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:31
S45	498	S44 and ((battery or cell) with (attach\$4 or connect\$3 or physical\$3 or mechanical\$3 or detach\$4 or loaded or loading or plac\$3 or insert\$3 or dock\$3 or cradled))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:37
S46	478	320/119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:38
S47	439	S45 not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:38

S49	74	S47 and ((detent or push adj button or depress\$3 or press\$3 or compress or push \$3) with (switch\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 11:47
S50	41	((battery connected charger) (detent or push adj button or depress\$3 or press\$3 or compress or push\$3) with (switch\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/05/09 12:06
S51	314	((battery connected charger) (detent or push adj button or depress\$3 or press\$3 or compress or push\$3) with (switch\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/05/09 13:09
S52	273	S51 not S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/05/09 13:10
S53	5	("20030006737"   "5493197"   "6172479"   "6762588"   "6841971").PN. OR ("7298114").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/09 13:28
S54	1132	320/113 or 320/115	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 15:21

S55	2811	320/116-123.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 15:22
S57	28	S54 AND S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 15:22
S58	10	S54 and ((series with (switch\$3 or FET or MOSFET or BJT) with cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/09 16:11
S59	96	S54 and ((detent or push adj button or depress\$3 or press\$3 or compress or push \$3) with (switch\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/05/09 16:14
S60	37	S59 and (series with (cell or battery))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/05/09 16:15

S61	4	("5952815" "6624612").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/10 13:42
S63	8	("6573687" "5,583,871" "5,818,202" "6,104,165").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 18:09
S64	219248	Sanyo.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 18:21
S65	33	S64 and (KUNIGA near2 TOSHIHARU).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/25 18:22

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L15	0	(charger charging/discharging charges discharges cells individually pair second electrodes switch changes closed state open state switch pressed projection placed attaching portion battery charger battery attached charger switch changes open state closed state battery detached charger).CLM.	US-PGPUB; UPAD	AND	ON	2009/10/25 22:32
L16	0	(charger charges discharges cells individually pair second electrodes switch changes closed state open state switch pressed attaching portion attached charger switch changes open closed detached).CLM.	US-PGPUB; UPAD	AND	ON	2009/10/25 22:33
L17	0	(charger discharges cells individually pair second electrodes switch changes closed open switch pressed attaching portion attached charger switch changes open closed detached).CLM.	US-PGPUB; UPAD	AND	ON	2009/10/25 22:33
L19	0	((HIDEYUKI) near2 (NISHIDA)).INV.	UPAD	OR	ON	2009/10/25 22:46

10/25/2009 10:48:08 PM

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